

1 **ABSTRACT OF THE DISCLOSURE**

2 An overload protection switch has a conductor interconnecting the first primary
3 leg and a second primary leg so that when current passes through the switch, the current
4 not only raises the temperature of the bi-metal plate, but also raises the temperature of
5 the conductor to enhance the deformation of the bi-metal plate such that the electrical
6 appliance connected to the switch and having an ampere tolerance lower than that of the
7 bi-metal plate is protected.